BRUHATH BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of Work: Estimate for Providing Compound wall and other Works to Indira Canteen near Ward Office, HMT Layout 1st Block, 2nd Main Somanna Garden in Ward No. 09, Vidyaranyapura Sub Division.

					Estimate Cost:			1478000.00	
Sl No.	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300 - Excavation for road, drains and similar works KSRRB 300-1. Earthwork **excavation by manual means in ordinary soil** involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 **Page No. 142 / Item No. 19.1, PWD SR 2016-17**	Cum							
	Leveling of Ground		1	13.00	14.00	0.20	36.40		
			1	26.00	8.50	0.20	44.20		
			1	16.50	0.90	0.20	2.97		
			1	15.00	0.90	0.20	2.70		
	For Compound Wall		1	17.00	1.00	0.90	15.30		
			1	16.00	1.00	0.90	14.40		
	Basic Rate	82.00					**115.97**	38.08	**4416.00**
	Add loading and unloading Charges **It No 17.1 KSRRB M 100-1**	68.00							
	Average weight of earth 1.28 tonne / kg for 11.90 Km = 1.28 T X 11.90Km X 2.5 / km= 38.08	38.08							
		188.08							
	Area Weightage @ 8%	15.05							
	Total	**203.13**							
2	KSRB 2.8 : Providing and **Filling in foundation with granite / trap broken metal** 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications. specification. No. KBS **Page No. 5 / Item No. 2.15 of PWD SR 2016-17**	Cum							
	Compound Wall		1	17.00	0.90	0.30	4.59		
			1	16.00	0.90	0.30	4.32		
	Basic Rate	2144.00					**8.91**	2315.52	**20631.00**
	Area Weightage @ 8%	171.52							
	Total	**2315.52**							

Sl No.	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
3	KSRB 4-1.2 : Providing and laying in position **plain cement concrete of mix 1:3:6** with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, **in foundation** including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. **(P.No. 12/I.No. 4.2 of CSR 2016-17)**	Cum							
	Compound Wall		1	17.00	0.90	0.15	2.30		
			1	16.00	0.90	0.15	2.16		
	Flooring		1	10.00	5.00	0.15	7.50		
	Building Surroundings		4	12.00	2.00	0.15	14.40		
	Stage		1	17.00	0.45	0.15	1.15		
	Basic Rate	5046.00					**27.50**	5449.68	**149880.00**
	Area Weightage @ 8%	403.68							
	Total	**5449.68**							
4	KSRB 5.2-3 : Providing and constructing granite / trap / basalt size stone masonry in **foundation with cement mortar 1:6, stone** hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 **Page No. 23 / Item No. 5.6, PWD SR 2016-17**	Cum							
	Compound Wall		1	17.00	0.75	0.60	7.65		
			1	6.00	0.75	0.60	2.70		
	Basic Rate	4187.00					**10.35**	4521.96	**46802.00**
	Area Weightage @ 8%	334.96							
	Total	**4521.96**							
5	KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in **basement with cement mortar 1:6**, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 **Page No. 23 / Item No. 5.9, PWD SR 2016-17**	Cum							
	Compound Wall		1	17.00	0.60	0.45	4.59		
			1	6.00	0.60	0.45	1.62		
			1	12.00	0.45	0.60	3.24		
	Basic Rate	5005.00					**9.45**	5405.40	**51081.00**
	Area Weightage @ 8%	400.40							
	Total	**5405.40**							

Sl No.	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
6	KSRB 15.1.3 Providing ruled pointing to coursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications **Page No. 113 / Item No. 15.3, PWD SR 2016-17**	Sqm							
	For Chain Link Fenicing		2	17.00		0.45	15.30		
			2	16.00		0.45	14.40		
	Basic Rate	98.00					**29.70**	105.84	**3143.00**
	Area Weightage @ 8%	7.84							
	Total	**105.84**							
7	KSRB 4-1.6 ; Providing and laying in position **plain cement concrete of mix 1:2:4** with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, **in foundation, plinth and cills**, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. **Page No.12, Item No. 4.6 PWD SR 2016-17**	Cum							
	For Chain Link Fenicing		1	17.00	0.60	0.10	1.02		
			1	16.00	0.60	0.10	0.96		
	Basic Rate	5441.00					**1.98**	5876.28	**11635.00**
	Area Weightage @ 8%	435.28							
	Total	**5876.28**							
8	KSRB 5-14 : Providing and constructing load bearing wall with solid concrete blocks of size 400x150x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 4.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. KBS No.5.4 **Page No. 25 / Item No. 5.26.2, PWD SR 2016-17**	Sqm							
	Compound Wall		1	17.00		2.00	34.00		
			1	6.00		2.00	12.00		
	Basic Rate	907.00					**46.00**	979.56	**45060.00**
	Area Weightage @ 8%	72.56							
	Total	**979.56**							
9	KSRB15-3.9 :Providing 18mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. **Page No. 114 / Item No. 15.17, PWD SR 2016-17 (Outside Wall)**	Sqm							

Sl No.	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	For Chain Link Fenicing		2	17.00		2.10	71.40		
			2	6.00		2.10	25.20		
	Basic Rate	198.00					**96.60**	213.84	**20657.00**
	Area Weightage @ 8%	15.84							
	Total	**213.84**							
10	KSRB 15-15.1 : Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. - with primer. (**P. No. 117, I.No. 15.51.2 of SR 2016-17**).	Sqm							
	For Chain Link Fenicing		2	17.00		1.80	61.20		
			2	6.00		1.80	21.60		
	Basic Rate	90.00					**82.80**	97.20	**8048.00**
	Area Weightage @ 8%	7.20							
	Total	**97.20**							
11	Providing and fixing M.S. Gate as per Chief Architect Drawing, using 50mm x 50mm 14 guage M.S. hollow pipe frame work bent to ornamental shape as shown in the drawing and 35mm x 6mm and 16 x 16mm Square rods for verticals alternatively spaced at 4cms c/c in two halves and 40mmx6mm M.S. flats for horizontal member and at the top cast iron spikes are provided at alternate vertical members asshown in the drawing etc., complete. All the steel surface should be thoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, with lead and lift, loading and unloading charges, etc., complete as per specifiocation. **Page. No. 43 / Item. No. 7.37 PWD SR 2016-17**	Sqm							
			1	5.00	1.85		9.25		
	Basic Rate	2934.00					**9.25**	3168.72	**29311.00**
	Area Weightage @ 8%	234.72							
	Total	**3168.72**							
12	KSRRB M1200-46. Sand filling in wells complete as per drawing and technical specifications MORTH Specification No.1207 Page No. 213, **Page No. 26.124, PWD SR 2016-17**	Cum							
			1	15.00	10.00	0.20	30.00		
			3	12.00	2.50	0.20	18.00		
	Basic Rate	5757.00					**48.00**	6217.56	**298443.00**
	Area Weightage @ 8%	460.56							

Sl No.	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Total	**6217.56**							
13	KSRB 14.4 : Providing and laying flooring and steps fine dressed granite stone slabs 40 mm thick on cement mortar bed 1:6, 25 mm thick, and pointed with cement mortar 1:3 over existing cement concrete bed , including cost of materials, labour, curing complete as per specifications. Specification No. KBS 14.26 **Page No. 100, Item No. 14.4, PWD SR 2016-17**	Sqm							
	Flooring		1	10.00	5.00		50.00		
	Building Surroundings		4	12.00	2.00		96.00		
	Stage		1	17.00	0.45		7.65		
	Basic Rate	3161.00					**153.65**	3413.88	**524543.00**
	Area Weightage @ 8%	252.88							
	Total	**3413.88**							
14	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete.,complete **Page No. 25 / Item No. 5.30 PWD SR 2016-17**	No							
	Kerb Stone		1	15.00			33		
				0.45					
			1	10.00			22		
				0.45					
							56	338.04	**18780.00**
	Basic Rate	313.00							
	Area Weightage @8%	25.04							
	Total	**338.04**							
15	KSRB 15-19.1 : Providing and applying ready mix priming coat over concrete / masonry / asbestos cement sheet / plastered surfaces including preparing the surface after thoroughly cleaning of oil, grease, dirt and other foreign matter, and sand papering including cost of materials, labour, complete as per specifications. **Page No. 122 / Item No. Item No. 15.80, PWD SR 2016-17**	Sqm							
	Kerb Stone Painting		1	15.00		0.35	5.25		
			1	10.00		0.35	3.50		
	Basic Rate	26.00					**8.75**	28.08	**246.00**
	Area Weightage @8%	2.08							
	Total	**28.08**							

Sl No.	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
16	KSRB 15-19.2 : Providing and applying spray painting in two coats (excluding priming coat) over concrete / masonry / asbestos cement sheet / plastered surfaces with flat wall paint of approved brand to give even shade after cleaning the surface of all dirt, dust and other foreign matter, and sand papering including cost of materials, labour, complete as per specifications.**Page No. 122 / Item No. Item No. 15.81, PWD SR 2016-17**	Sqm							
			Qty Vide Item No. 9				8.75		
	Basic Rate	66.00					**8.75**	71.28	**624.00**
	Area Weightage @8%	5.28							
	Total	**71.28**							
17	Providing and laying **cement concrete** using 20 mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete **(RMC) M 20** for R.C.C works laid in 15 cms thick layers and well compacted vibrating, curing, **for raft foundation column footing , main and secondary beams** with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges.) **Page No. 18, Item No. 4.48, PWD SR 2016-17**	Cum							
			2	6.00	1.80	0.23	**4.97**	6349.32	**31543.00**
	Basic Rate	5879.00							
	Area Weightage @8%	470.32							
	Total	**6349.32**							
18	KSRB 4.9.2 : Providing **T.M.T steel reinforcement for R.C.C work** including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 **- TMT bars Fe 500 Page No. 17 / Item No. 4.46.2, PWD SR 2016-17**	Tonne							
			0.09	4.97			**0.45**	60534.00	**27066.00**
	Basic Rate	56050.00							
	Area Weightage @8%	4484.00							
	Total	**60534.00**							
19	KSRB 4-6.4 : Providing and removing **centering, shuttering, strutting, propping** etc., and removal of form work for **vertical surface such as walls at any thickness**, including attached pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 **Page No. 15 / Item No. 4.31 PWD SR 2016-17**	Sqm							
			2	6.00	1.80		21.60		

Sl No.	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
			2x2	6.00		0.23	5.52		
			2x2	1.80		0.23	1.66		
	Basic Rate	293.00					**28.78**	316.44	**9106.00**
	Area Weightage @8%	23.44							
	Total	**316.44**							
20	KSRB 7.9 : Providing and fixing M.S.grill work for windows and ventilators weighing 21kg/sqm using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifications. Specification No. KBS 7.12. **(P.No. 32, I.No. 7.9 of PWD SR 2016-17)**	Kgs							
	For Grills		1	17.00		1.00	17.00		
							17.00		
	Weight /Sqm = 21 Kgs i.e 10.17 x 21= 213.57 Kgs		21	17.00			**357.00**	84.24	**30074.00**
	Basic Rate	78.00							
	Area Weightage @ 8%	6.24							
	Total	**84.24**							
	Sub Total								**1331089.00**
	KRIDL Charges @ 10%								**133109.00**
	Third Party Inspection Charges @ 1%								**13311.00**
	Miscellaneous and unforeseen charges	LS							**491.00**
								Total	**1478000.00**
Rupees Fourteen Lakh(s) Seventy Eight Thousand Only									

TECHNICAL SANCTION
Accorded For Rs. 14.78 Lakhs.
Head of A/c. P-3106
Div. Ref. No. 63/18-19 Date 3/09/18
AE 3/09
EE(BTP) 3/9

Certificate:

1 The work spot has been inspected and the work is found necessary.

2 This estimate is prepared as per PWD SR of 2016-17.

3 The provisions were made in this estimate are necessary and adequate.

4 This works come under B.B.M.P. limits.

Assistant Engineer
Ward No. 09

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidyaranyapura Sub Division

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division
9/04

Administrative Approval
Accorded For Rs 14.78 lakhs only
Head of A/C. P-3106
CER NO AS/05A/18-19 Dt. 30.05.18

TA

CE (YNK)